

APPENDIX A

FEDERAL LAWS, REGULATIONS, AND GUIDES FOR
URANIUM MINING

Table A.1 Federal laws, regulations, and guides for uranium mining

Federal Agency	General		Permits		Mining					Health and Safety
	Water Use	Conservation-Preservation Statutes	Exploration Rights	Mining Rights	Environmental Quality					
					Air	Water Surf	UG	Solids	Land Reclam.	
Dept. of Int.	1	2,3,4,6,7	8	8					2,8	
BIA ^(a)			9	9					9	
BLM ^(a)		5	10	10					10	
USGS ^(a)			9						9	
Dept. of Energy		2	11	11					2	
Dept. of Agr.	1	2,8d							2,8d	
USFS ^(a)			12,13	13					12	
EPA	1	2				16		19	2	20
AIR-OAQPS ^(a)					14					
Water										
Surface OWPS ^(a)						17				
Ground OSW ^(a)							19			
Land-OSW						18	18	18	18	
Radiation-ORP ^(a)					15	15	15	15	15	20
U.S. Army										
Corps. of Engrs.	1	2				16			2	
Dept. of Labor		2								
MSHA ^(a)										22
OSHA ^(a)										21
Nuclear Reg.										
Comm. ^(b)		2		2	23 ^(b)	23 ^(b)		23 ^(b)	23 ^(b)	23 ^(b)

^(a) BIA-Bureau of Indian Affairs
 BLM-Bureau of Land Management
 USGS-United States Geological Survey
 USFS-United States Forest Service

^(b) OAQPS-Office of Air Quality, Planning and Standards
 Nuclear Regulatory Commission (NRC) regulations and guides for milling do apply to in situ extraction or mining but not conventional surface or underground mining where NRC has no authority.

OWPS-Office of Water Planning and Standards
 OSW-Office of Solid Waste
 ORP-Office of Radiation Programs
 MSHA-Mining Safety and Health Administration

OSHA-Occupational Safety and Health Administration

Table A.1 (continued)--Key to Federal laws, regulations and guides cited

1. See Appendix B and Appendix C for U.S. Constitution Citations, Federal Laws, and Interstate Compacts
2. National Environmental Policy Act of 1969 (Public Law 92-190)
3. Endangered Species Act of 1973 (Public Law 93-205) (Supplants Endangered Species Conservation Act of 1969)
4. National Historic Preservation Act of 1966 (Public Law 89-655) (Supplants Antiquities Act of 1906)
5. Federal Land Management and Policy Act of 1976
6. Reservoir Salvage Act of 1960 (16 USCA 469-469C)
7. Historic Sites Acts of 1935 (16 USCA 21-50)
8.
 - a. U.S. Mining Law of 1872 (30 USC 21-50)
 - b. Mineral Leasing Act of 1920 (30 USC 181 et seq)
 - c. Mineral Leasing Act for Acquired Lands (Amended) (30 USC 351-359)
 - d. Materials Act of 1947 (Amended) (30 USC 601-602)
 - e. Reorganization Plan of 1946 (60 Stat. 1099)
9. Indian Land - 30 CFR 231
10. Public Land - 30 USC 22 (43 CFR 3810, 3746, 3501, 3814.1)
11. Withdrawn Public Land - 42 USC 2097
12. National Forest Land - 16 USC 478 (43 CFR 3811.1 and 36 CFR 252)
13. National Forest Management Act of 1976 (16 USC 1600) - Regulations for land and resource management planning under this Act in the National Forest System are given in Federal Register Volume 44, Number 181, September 17, 1979
14. Clean Air Act as Amended (42 USC 1857 et seq)
15. Public Health Services Act (Reorganization No. 3, 1970; Section 301 - Environmental Monitoring)

Table A.1 (continued)--Key to Federal laws, regulations and guides cited

16. Marine Protection Research and Sanctuaries Act of 1972
17. Federal Water Pollution Control Act as Amended (33 USC 466 et seq)
18. Resource Recovery and Conservation Act of 1976 (Proposed 40 CFR 250.46-4)
19. Safe Drinking Water Act Amended (Public Law 95-523 and Public Law 95-190): (Could affect mining operation where injection of wastes is utilized)
20. Atomic Energy Act Amended (Public Law 86-373; 42 USC 2021(h), Federal Radiation Guidance functions from prior Federal Radiation Council)
21. Occupational Safety and Health Act of 1970
22. MSHA formed by transferring MESA from DOI to DOL pursuant to the Federal Mine Safety and Health Act of 1977, Public Law 91-173 as amended by Public Law 95-164
23. Nuclear Regulatory Commission Guides and Regulations for Benefication Processes
 - a. Regulatory Guide 3.5, Standard Format and Content of License Applications for Uranium Mills (Nov. 1977)
 - b. Regulatory Guide 3.8, Preparation of Environmental Reports for Uranium Mills (Sept. 1978)
 - c. Regulatory Guide 3.11, Design, Construction, and Inspection of Embankment Retention Systems for Uranium Mills (Dec. 1977)
 - d. Regulatory Guide 4.14, Measuring, Evaluating, and Reporting Radioactivity in Releases of Radioactive Materials in Liquid and Airborne Effluents from Uranium Mills (June 1977)
 - e. Regulatory Guide 4.15, Quality Assurance for Radiological Monitoring Programs (Normal Operations) - Effluent Streams and the Environment (Feb. 1979)
 - f. Regulatory Guide 8.11, Applications of Bioassay for Uranium (June 1975)
 - g. Regulatory Guide 8.13, Instruction Concerning Prenatal Radiation Exposure
 - h. Standards for Protection Against Radiation (10 CFR 20)
 - i. Domestic Licensing of Source Material (10 CFR 40)
 - j. Licensing and Regulatory Policy and Procedures for Environmental Protection (10 CFR 51)
 - k. Proposed Regulations: Uranium Mill Tailings Licensing (10 CFR Parts 40,150) - 44 F.R. 50012, August 24, 1979

Table A.1 (continued)--Key to Federal laws, regulations, and guides cited

- l. Staff Technical Positions: Tailings Management - "Current U.S. Nuclear Regulatory Commission Licensing Review Process: Uranium Mill Tailings Management"; Environmental Monitoring - "Proposed Branch Position for Operational Radiological Environmental Monitoring Programs for Uranium Mills"
- m. Proposed Regulatory Guide 3.11.1, Operational Inspection and Surveillance of Imbankment Retention Systems for Uranium Mill Tailings (April 1979)